

<p>98-493828/42 B02 DONM= 85.05.11 DON MED INST *SU 1282506-A1 85.05.11 85SU-3911113 (97.12.10) C07D 471/04, A61K 31/395 2-(3',4',5'-tri:methoxy:phenyl)-1-methyl:imidazo(4,5-c)pyridine hydrochloride - has spasmolytic and hypotensive activity C98-148656 Addnl. Data: YUTILOV YU M, SHCHERBINA L I, FILIPPOV I T AS UKR PHYS ORG CHEM COAL CHEM INST (AUPH=)</p>	<p>B(6-D8, 14-F2B, 14-J5D) .3</p>
<p>2-(3',4',5'-trimethoxyphenyl)-1-methylimidazo(4,5-c)pyridine hydrochloride of formula (I) is new.</p> <div data-bbox="207 478 711 661"> </div> <p><u>USE</u></p>	<p>(I) has spasmolytic and hypotensive activity.</p> <p><u>ADVANTAGE</u> (I) has fairly low toxicity and higher spasmolytic and hypotensive activity than dibazol.</p> <p><u>PREPARATION</u> (I) is prepared by heating equimolar proportions of 4-methylamino-3-aminopyridine, 3,4,5-trimethoxybenzaldehyde, and S, in xylene.</p> <p><u>EXAMPLE</u> Equimolar proportions of 4-methylamino-3-aminopyridine, 3,4,5-trimethoxybenzaldehyde, and S, were heated in xylene at the boiling point of the reaction mixture over 35 hours, 1 part by weight of S to 20 ml of xylene. The deposit was cooled, filtered off, and mixed with a 10% HCl solution, heated, filtered free from unreacted S, to give the cream coloured hydrochloride of (I), yield 80%, m.pt. 240-241°C.</p> <p>SU 1282506-A+</p>

BIOLOGICAL DATA

The LD₅₀ of (I) i.p. in mice was 200±40 mg/kg compared with 200 mg/kg for dibazol. The spasmolytic activity of (I) at pA₂ = 4.8±0.15 was double that for dibazol at 4.4±0.2. The hypotensive action of (I) at a dose of 3 mg/kg was similar to that of dibazol but the duration of its action was longer.
(3pp2401DwgNo.0/0)

SU 1282506-A